

METHOD, SYSTEM, AND PROGRAM FOR  
PREDICATE PROCESSING BY ITERATOR FUNCTIONS

ABSTRACT

5        Disclosed is a technique for processing predicates in an iterator function. When  
an iterator function included in a statement is invoked, one or more predicates included in  
the statement are obtained. The one or more predicates are applied to a row of data. If  
applying the one or more predicates results in a match, the row of data is returned. If  
applying the one or more predicates does not result in a match, a search is performed for  
10 another row of data for which application of the one or more predicates results in a  
match.

Also disclosed is a technique for processing predicates in which a statement  
including an iterator function and one or more predicates is received. A qualification  
descriptor that describes the one or more predicates and one or more functions that are to  
15 be used to evaluate the one or more predicates is created. Then, the iterator function is  
invoked one or more times, until receiving a done indicator from the iterator function.